

# Converting Colors

XYZ(55.2526, 70.3926, 52.7945)

Have a look what the booklet for  
XYZ(55.2526, 70.3926, 52.7945)  
contains.

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# Color

**XYZ(55.2526, 70.3926,  
52.7945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E8B2
RGB	178, 232, 178
RGB Percent	70%, 91%, 70%
CMY	0.3020, 0.0902, 0.3020
CMYK	0.23, 0.00, 0.23, 0.09
HSL	120°, 54%, 80%
HSV	120°, 23%, 91%
XYZ	55.2526, 70.3926, 52.7945
YIQ	209.6980, -14.8500, -28.2420

# Conversions

## Conversions Part 2

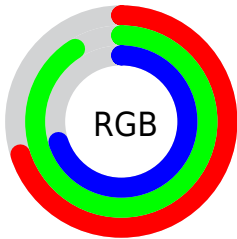
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 232, 232
Decimal	11724978
CIELab	87.19, -27.49, 20.79
CIELCh	87, 34.464, 142.899
Yxy	70.3926, 0.3096, 0.3945
Android (android.graphics.Color)	4289915058 (0xFFB2E8B2)
YUV	209.6980, -15.6271, -27.7991
Hunter-Lab	83.9003, -29.2742, 21.4218

# Details

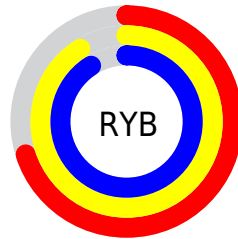
The XYZ color **55.2526, 70.3926, 52.7945** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.7670, 54.8243, 83.5682**, and the grayscale version is **61.1683, 64.3538, 70.0813**.

A 20% lighter version of the original color is **84.8722, 95.1227, 91.7292**, and **27.5392, 36.8164, 25.0568** is the 20% darker color. If you saturate the color by 10%, you get **48.2371, 67.0248, 41.3179**, and if you desaturate by 10%, it is **63.5661, 74.3881, 66.3911**.

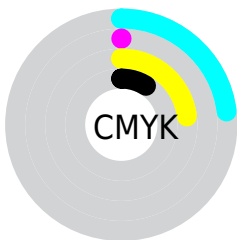
# Distribution



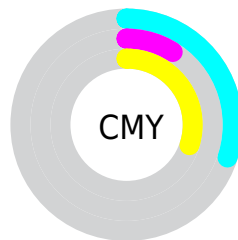
- Red (70%)
- Green (91%)
- Blue (70%)



- Red (70%)
- Yellow (91%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (30%)
- Magenta (9%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2526, 70.3926, 52.7945 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 55.2526, 70.3926, 52.7945 by changing the saturation by 10% instead.



■ 55.2526, 70.3926,  
52.7945

■ 55.2526, 70.3926,  
52.7945

396.9896,  
461.9273, 414.5401

■ 39.8386, 51.8467,  
37.2521

■ 97.0571, 119.7685,  
95.7404

■ 27.5964, 36.8829,  
25.1055

124.1784,  
151.3672, 123.9810

■ 18.1605, 25.1168,  
15.9359

155.9328,  
188.0856, 157.2915

■ 11.1657, 16.1641,  
9.3249

192.6857,  
230.3081, 196.0903

■ 6.2465, 9.6404,  
4.8540

234.8025,  
278.4192, 240.7960

■ 3.0376, 5.1612,  
2.1046


282.6485,

■ 1.1737, 2.3421,


332.8031, 291.8272


0.6185


336.5891,  
393.8444, 349.6024


 0.0854, 0.7959,  
0.0000


 0.0000, 0.0000,  
0.0000

 55.2526, 70.3926,  
52.7945

 55.2526, 70.3926,  
52.7945


 48.2371, 67.0248,  
41.3179


 63.5661, 74.3881,  
66.3911


 42.4490, 64.2445,  
31.8504

 73.2325, 79.0313,  
82.2022

 37.8193, 62.0206,  
24.2776

 84.3103, 84.3526,  
100.3219

 34.2702, 60.3158,  
18.4723

 88.1480, 86.1960,  
106.5993

■ 31.7141, 59.0880,  
14.2913

■ 30.0500, 58.2886,  
11.5693

■ 29.1555, 57.8589,  
10.1060

■ 28.8580, 57.7161,  
9.6195

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.0351, 70.3926, 42.5008



55.2526, 70.3926, 52.7945



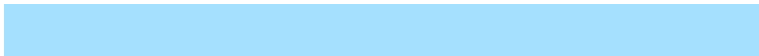
52.6291, 70.3926, 71.2701

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.2526, 70.3926, 52.7945



65.0018, 70.3926, 129.8858



82.2799, 70.3926, 60.5879

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.2526, 70.3926, 52.7945



63.7670, 54.8243, 83.5682

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5563, 70.3926, 82.2848



55.2526, 70.3926, 52.7945



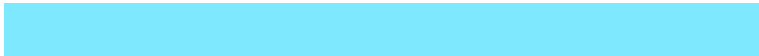
73.1419, 70.3926, 125.4340

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.2526, 70.3926, 52.7945



57.9561, 70.3926, 117.9416



80.0927, 70.3926, 106.7759



76.7331, 70.3926, 46.3266



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2526, 70.3926, 52.7945



52.8622, 70.3926, 87.0246



80.0927, 70.3926, 106.7759



83.2400, 70.3926, 67.1264

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.2545, 70.3956, 52.7961



86.0432, 95.6736, 94.1678



70.1744, 78.0871, 53.4938



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

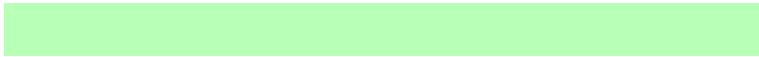


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.2545, 70.3956, 52.7961



64.0414, 85.1050, 58.1801



58.2382, 71.5891, 68.5081



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.7670, 54.8243, 83.5682



76.3473, 62.5949, 102.6648



60.2208, 53.4058, 64.8939



14.9952, 14.6153, 18.1750



26.5609, 12.7586, 43.4442

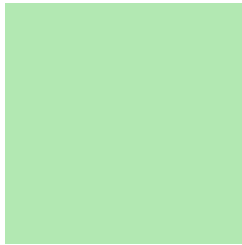


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 55.2526, 70.3926, 52.7945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

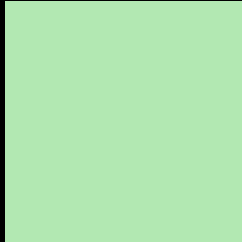
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2526, 70.3926, 52.7945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

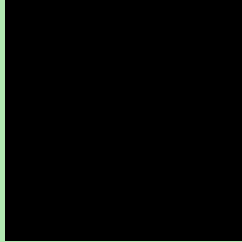
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.2526, 70.3926, 52.7945**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2526, 70.3926, 52.7945.



This preview shows how white text looks on a background with the XYZ color 55.2526, 70.3926,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

55.2526, 70.3926, 52.7945

### Protanopia

65.4423, 69.7218, 48.5366

### Deuteranopia

71.1314, 69.5291, 54.4712



## Tritanopia

63.5191, 70.4810, 93.4755

# Trichromacy



## Original Color

55.2526, 70.3926, 52.7945

## Protanomaly

60.9126, 69.2956, 50.2093

## Deuteranomaly

63.8938, 68.8092, 53.6300

## Tritanomaly

60.1316, 70.3144, 76.7324

# Monochromacy



## Original Color

55.2526, 70.3926, 52.7945

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

58.5531, 66.2258, 63.1229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2526, 70.3926, 52.7945 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 232, 178)` looks like.

```
.text, #text, p{  
    color:rgb(178, 232, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 232, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 232, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2526, 70.3926, 52.7945 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 232, 178) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 232, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 232, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 232, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 232, 178); box-shadow:4px 4px 4px 4px rgb(178, 232, 178) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2526, 70.3926, 52.7945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 232, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
232, 178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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